

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S6	2	"6542161".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/11 12:38
S8	6	"020729".ap.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/11 12:41
S9	2	"20030020729".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/13 14:53
S10	2	"20030011603".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/11 12:45
S11	84338	(pixel near10 display)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 15:24
S12	674	S11 and (sub\$1pixel near10 (direction or horizontal or vertical))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 15:25
S13	42	S12 and ((character or font) near5 (skelet\$2 or shape))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 15:25
S14	28	S13 and (pixel near3 (first or second))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 15:53

## EAST Search History

S15	27	S14 and (pixel near5 (adjacent or neighbor\$3 or neighbour\$3 or adjoin\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 16:00
S16	7	S15 and (arrang\$5 near10 element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 17:30
S17	1	S15 and (arrang\$5 near10 (lumi\$5 or bright\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 17:31
S18	15	S15 and (pixel near5 (lumi\$5 or bright\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 17:31
S19	11	S18 not S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 17:40
S20	15	S15 not S19 not S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 17:41
S21	12	S20 not S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/11 17:41
S22	1	(US-6339426-\$).did.	USPAT	OR	OFF	2006/01/12 12:57
S23	1	S22 and (bitmap near3 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/12 12:57

## EAST Search History

S24	0	"6188385,6239783,6282327,6674436".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/12 18:36
S25	2	"6188385".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/12 18:36
S26	2	"6239783".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 12:55
S27	2	"6282327".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/12 18:37
S28	2	"6674436".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/12 18:37
S29	0	2002/0003543.did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/12 18:37
S30	2	"20020003543".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/12 18:37
S31	10	S25 or S26 or S27 or S28 or S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/12 18:38

## EAST Search History

S32	57593	first adj (pixel or element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/12 19:04
S33	2	S32 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/12 19:04
S34	57593	first adj (pixel or element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 11:59
S35	4075	S34 and ((arrang\$5 or pattern or bitmap or glyph) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 12:15
S36	448	S35 and ((lumin\$5 or bright\$4) near5 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 12:16
S37	112	S36 and ((element or segment) near5 value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 12:17
S38	28	S37 and ("345"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 12:27
S39	4	S37 and ((arrangement or correction) adj pattern)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 12:32

## EAST Search History

S40	10	S36 and ((arrangement or correction) adj pattern)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 12:32
S41	6	S40 not S39	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/13 14:40
S42	0	"2002/0008714".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/13 14:54
S43	2	"20020008714".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/13 14:54
S44	2	"6542161".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 11:03
S45	1	S44 and (pixel near10 pattern)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:04
S46	0	S45 and (first same second)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:04
S47	1	S45 and (portion near10 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:10

## EAST Search History

S48	1	S47 and (element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:10
S49	1	S47 and (element near5 value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:18
S50	0	S49 and (value near5 portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:18
S51	0	S49 and (value near10 portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:18
S52	0	S49 and (value near15 portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:18
S53	1	S49 and (value same portion)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:26
S54	1	S53 and ((luminance or brightness) near5 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:29
S55	1	S54 and ((another or different) near5 pattern)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 11:30

## EAST Search History

S56	1	S44 and ((another or different) near5 pattern)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:07
S57	14	("5132674"   "5796409"   "5821913"   "5859633"   "6002385"   "6005635"   "6072555"   "6081248"   "6108122"   "6130667"   "6224448"   "6243070"   "6256004"   "6417967").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/01/17 12:26
S58	57648	first adj (pixel or element)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 12:44
S59	4077	S58 and ((arrang\$5 or pattern or bitmap or glyph) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 12:44
S60	448	S59 and ((lumin\$5 or bright\$4) near5 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 12:44
S61	112	S60 and ((element or segment) near5 value)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 12:44
S62	28	S61 and ("345"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 12:44
S63	0	"6188385,6239783,6282327,6674436".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 12:54

## EAST Search History

S64	2	"6188385".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 12:55
S65	2	"6239783".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 12:58
S66	2	"6278434".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 12:58
S67	2	"6307566".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 12:59
S68	2	"6421054".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 13:00
S69	2	"6342890".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/17 13:10
S70	336985	((arrang\$5 or pattern or bitmap or glyph) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:11
S71	791	S70 and (bitmap near5 (interchang\$3 or swap\$4 or exchang\$3 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:12



## EAST Search History

S72	9	S70 and ((bitmap near5 (interchang\$3 or swap\$4 or exchang\$3 or chang\$3)) same ((pixel or element) near5 (first or second)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:18
S73	791	S70 and (bitmap near5 (interchang\$3 or swap\$4 or exchang\$3 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:19
S74	142	S70 and (bitmap near5 (interchang\$3 or swap\$4 or exchang\$3 or chang\$3)) and ("345"/\$.ccls.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:19
S75	13	S74 and (bit near5 shift)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 13:19
S76	0	"20050275668.did"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:08
S77	1	"20050275668".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:08
S78	494840	((luminance or brightness) near5 pixel or element) near10 (pattern or arrang\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:10
S79	637297	((luminance or brightness) near5 pixel or element) near10 (pattern or arrang\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:10

## EAST Search History

S80	53171	S79 and ((another or different) near5 (pattern or arrang\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:11
S81	91	S80 and ((character near5 color) and (background near10 pattern))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:20
S82	9	S81 and ((luminance or brightness) near5 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:35
S83	6567	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:36
S84	607	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:37
S85	7138	S83 or S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:37
S86	906	S85 and ((luminance or luminosity or brightness) near10 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:39
S87	735	S85 and (((luminance or luminosity or brightness) near10 pixel) same pattern or bitmap or bitstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:40

## EAST Search History

S88	141	S87 and ((pattern or bitmap or bitstring) near10 (swap\$4 or interchang\$3 or substitut\$3 or exchang\$3 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:42
S89	103	S88 and ((pattern or bitmap or bitstring) same (portion or part))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 14:43
S90	83	S89 and ((bitmap or bitstring or pattern) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 15:33
S91	10	"5499305"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 15:33
S92	2	"5499305".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 15:36
S93	2	"6282328".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/17 15:36
S94	1	(US-6339426-\$.did.	USPAT	OR	OFF	2006/01/17 18:35
S95	0	S94 and ((background adj color\$1) with luminance)	USPAT	OR	OFF	2006/01/17 18:39
S96	1	S94 and ((background adj color\$1) same luminance)	USPAT	OR	OFF	2006/01/17 18:37
S97	1	S94 and ((background adj color\$1) with (glyph\$1 or bitmap\$1))	USPAT	OR	OFF	2006/01/17 18:39
S98	1	(US-20020093502-\$.did.	US-PGPUB	OR	OFF	2006/01/17 18:38
S99	0	S98 and ((background adj color\$1) with luminance)	USPAT	OR	OFF	2006/01/17 18:39
S100	0	S98 and ((background adj color\$1) same luminance)	USPAT	OR	OFF	2006/01/17 18:39

## EAST Search History

S10 1	0	S98 and ((background adj color\$1) with (glyph\$1 or bitmap\$1))	USPAT	OR	OFF	2006/01/17 18:39
S10 2	0	S98 and ((background near3 color\$1) with (glyph\$1 or bitmap\$1))	USPAT	OR	OFF	2006/01/17 18:39
S10 3	0	S98 and ((background near3 color\$1) same (glyph\$1 or bitmap\$1))	USPAT	OR	OFF	2006/01/17 18:39
S10 4	0	S98 and ((background near3 color\$1))	USPAT	OR	OFF	2006/01/17 18:39
S10 5	2134	((background near3 (colour or color)) same (foreground near3 (colour or color)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:53
S10 6	179	S105 and ((luminance or brightness or luminous or luminosity) near5 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:53
S10 7	42	S106 and ((threshold or predetermined or desired) near3 (colour or color))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:54
S10 8	21	S107 and (pixel near10 (pattern or arrang\$5 or bitmap or bitstring))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:05
S10 9	21	S107 and (pixel near10 (pattern or bitmap or bitstring))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:05
S11 0	0	S108 not S109	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/01/18 11:53
S11 1	1973	((background near3 (colour or color)) with (foreground near3 (colour or color)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:53

## EAST Search History

S11 2	40	S105 same ((luminance or brightness or luminous or luminosity) near5 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:53
S11 3	37	S111 same ((luminance or brightness or luminous or luminosity) near5 pixel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:53
S11 4	1	S113 same ((threshold or predetermined or desired) near3 (colour or color))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/01/18 11:54
S11 5	7287	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:15
S11 6	629	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:15
S11 7	7874	S115 or S116	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:15
S11 8	842	S117 and (((luminance or luminosity or brightness) near10 pixel) same pattern or bitmap or bitstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:15
S11 9	163	S118 and ((pattern or bitmap or bitstring) near10 (swap\$4 or interchang\$3 or substitut\$3 or exchang\$3 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:15

## EAST Search History

S12 0	120	S119 and ((pattern or bitmap or bitstring) same (portion or part))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:15
S12 1	98	S120 and ((bitmap or bitstring or pattern) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 14:15
S12 2	7287	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:42
S12 3	629	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:42
S12 4	7874	S122 or S123	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 15:42
S12 5	22	S124 and (skeleton near10 character near10 generat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 16:22
S12 6	0	"040462".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 16:23
S12 7	0	"040462".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 16:23

## EAST Search History

S12 8	2	"20020093502".did.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 11:20
S12 9	2	"6542161".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/22 11:20
S13 0	160	dilation same pixel same (bright\$4 light\$4 luminance)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/24 11:10
S13 1	13	S130 same pattern	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/24 11:11
S13 2	0	S130 same ("arrangement pattern" "bitmap" "bit map") same interchang\$5	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/24 11:14
S13 3	2	S130 same ("arrangement pattern" "bitmap" "bit map")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/24 11:14
S13 4	1	"7006096".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/08/24 19:10
S13 5	650	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:22
S13 6	7898	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:23
S13 7	650	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:23

## EAST Search History

S13 8	8501	S136 or S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:23
S13 9	914	S138 and (((luminance or luminosity or brightness) near10 pixel) same pattern or bitmap or bitstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:23
S14 0	181	S139 and ((pattern or bitmap or bitstring) near10 (swap\$4 or interchang\$3 or substitut\$3 or exchang\$3 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:23
S14 1	133	S140 and ((pattern or bitmap or bitstring) same (portion or part))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:23
S14 2	104	S141 and ((bitmap or bitstring or pattern) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/26 22:23
S14 3	8390	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S14 4	661	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S14 5	9002	S143 or S144	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18



## EAST Search History

S14 6	977	S145 and (((luminance or luminosity or brightness) near10 pixel) same pattern or bitmap or bitstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S14 7	190	S146 and ((pattern or bitmap or bitstring) near10 (swap\$4 or interchang\$3 or substitut\$3 or exchang\$3 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S14 8	139	S147 and ((pattern or bitmap or bitstring) same (portion or part))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S14 9	109	S148 and ((bitmap or bitstring or pattern) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:27
S15 0	8390	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S15 1	661	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S15 2	9002	S150 or S151	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18
S15 3	23	S152 and (skeleton near10 character near10 generat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/13 16:18

## EAST Search History

S15 5	2	"20020008714"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/09/21 16:42
S15 6	1	"20010041000"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/09/21 16:43
S15 7	4	"1111579"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2007/09/21 18:16
S15 8	8522	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:20
S15 9	663	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:20
S16 0	9136	S158 or S159	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:20
S16 1	24	S160 and ((skeleton near10 character near10 generat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:20
S16 2	673	S160 and ((bitmap or bitstring or pattern) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:27
S16 3	468	S162 and @ad<="20020225"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28

## EAST Search History

S16 4	8522	345/467-472.2,694,690,428,581-589, 613,598,614,619.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28
S16 5	663	382/200-201,269.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28
S16 6	9136	S164 or S165	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28
S16 7	994	S166 and (((luminance or luminosity or brightness) near10 pixel) same pattern or bitmap or bitstring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28
S16 8	192	S167 and ((pattern or bitmap or bitstring) near10 (swap\$4 or interchang\$3 or substitut\$3 or exchang\$3 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28
S16 9	140	S168 and ((pattern or bitmap or bitstring) same (portion or part))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28
S17 0	110	S169 and ((bitmap or bitstring or pattern) near5 (modif\$4 or chang\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28
S17 1	56	S170 and @ad<="20020225"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/21 18:28